

10/755,545

Sequence alignment A

SEQ ID NO:1

AAY72630

ID AAY72630 standard; protein; 317 AA.

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AC

AAY72630;

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DT

15-JUN-2007 (revised)

DT

02-MAY-2001 (first entry)

XX

DE

Human follistatin-1 protein.

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KW

Human; follistatin; cytostatic; vulnerary; arthritis; immunomodulatory;

KW

therapy; liver cirrhosis; Gaucher's disease; vaccine; gene therapy;

KW

reproductive system disorder; cell growth disorder; Digeorge syndrome;

KW

tumour; inflammatory bowel disease; anaemia; autoimmune disorder; AIDS;

KW

Acquired Immune Deficiency Syndrome; SLE; systemic lupus erythematosus;

KW

Wiskott-Aldrich disorder; cardiovascular disorder; cancer; ischaemia;

KW

Kaposi sarcoma; hyperproliferative disorder; fibrotic disorder; wound;

KW

neurodegenerative disorder; congestive heart failure; Crohn's disease;

KW

Alzheimer's disease; Parkinson's disease; pulmonary fibrosis; BOND\_PC;

KW

follistatin isoform FST317; follistatin isoform FST317 precursor;

KW

follistatin isoform FST317 precursor [Homo sapiens]; FST; FS;

KW

follistatin precursor; follistatin; follistatin, isoform CRA\_a;

KW

follistatin, isoform CRA\_a [Homo sapiens]; GO122; GO5515; GO5576; GO7276;

KW

GO7389; GO8585; GO17106; GO30509; GO42475; GO45596; GO46882; GO7275.

XX

OS

Homo sapiens.

XX

PN

W0200105998-A1.

XX

PD

25-JAN-2001.

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PF

14-JUL-2000; 2000WO-US019198.

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PR

16-JUL-1999; 99US-0144088P.

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PA

(HUMA-) HUMAN GENOME SCI INC.

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PI

Duan RD, Ruben SM;

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DR

WPI; 2001-103150/11.

DR

PC:NCHI; gi5453652.

DR

PC:SWISSPROT; P19883.

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PT

Nucleic acids encoding follistatin-3, useful for the prevention,

PT

diagnosis and treatment of e.g. arthritis, liver cirrhosis and Gaucher's

PT

disease.

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PS

Disclosure; Page 232-233; 245pp; English.

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CC

The present sequence is human follistatin-1 protein, a member of inhibin-

CC

related proteins. Follistatin-1 protein is 43.2% identical to follistatin

CC

-3 protein and is an important factor in the regulation of follicle

CC

development and spermatogenesis in reproductive systems. It also acts as

CC

an antagonist of activin by preventing the interaction of activin with

CC

its receptor. In a similar manner follistatin-1 also targets TGF-beta

CC

superfamily members. Follistatin-3 sequences are used in the prevention,

CC

diagnosis and treatment of diseases associated with inappropriate

CC

expression of follistatin-3. The follistatin-3 sequences and their

CC

agonists or antagonists are useful in the diagnosis, prevention and

CC

treatment of reproductive system-related disorders; cell growth and

CC

differentiation disorders (tumours, arthritis, inflammatory bowel

CC

disease); immune disorders (Digeorge syndrome, anaemia and Wiskott-

CC

Aldrich disorder); autoimmune disorders (AIDS, Crohn's disease, systemic

CC

lupus erythematosus-SLE); hyperproliferative disorders (purpura, systemic

CC

Gaucher's disease, Sezary syndrome); cardiovascular disorders

CC

(pericarditis, congestive heart failure, ischaemia); cancers (Kaposi

CC

sarcoma, lymphoma); neurodegenerative disorders (Alzheimer's disease,

